

# Master in Artificial Intelligence



## Overview I







# Purpose

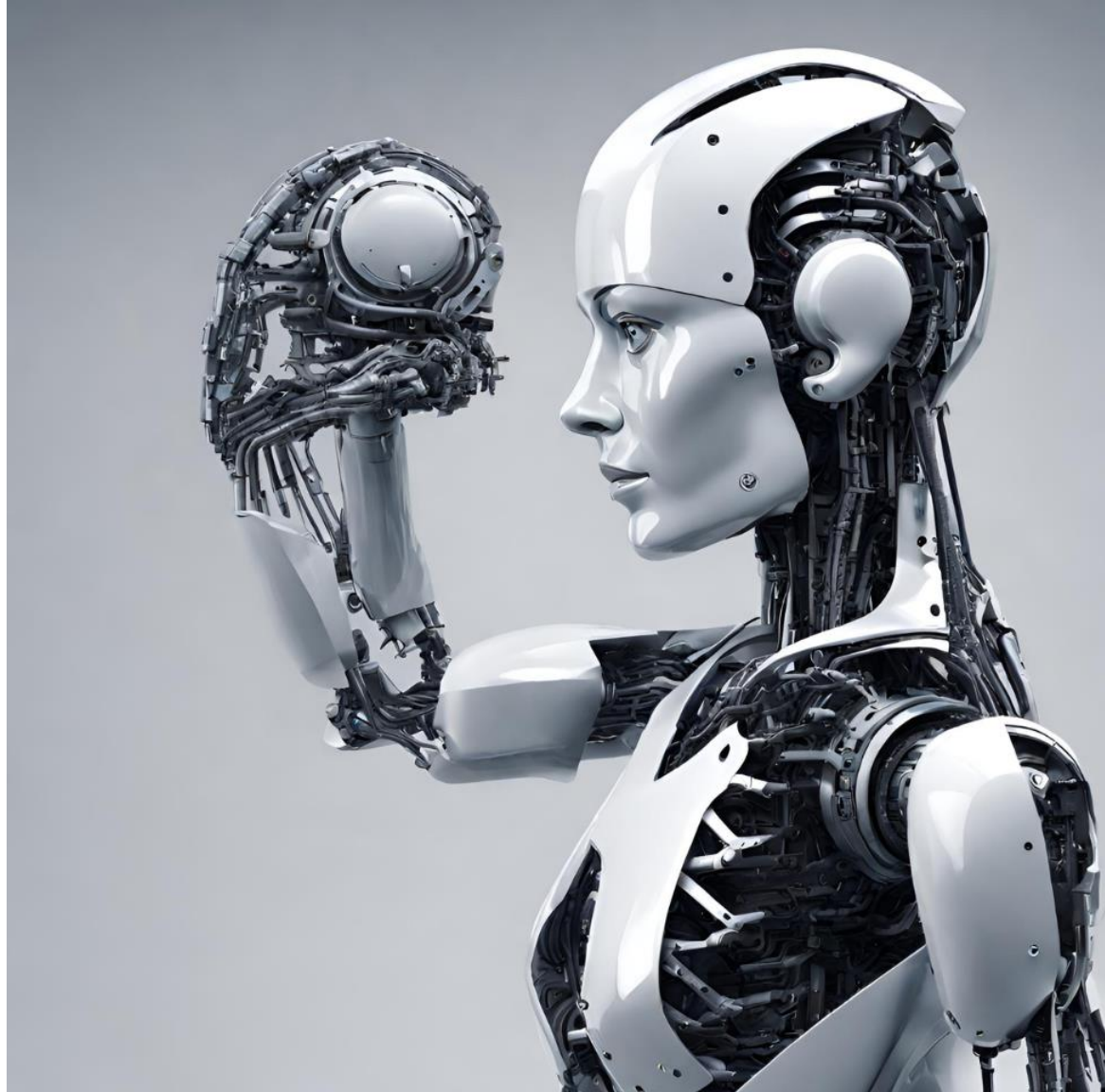
**The purpose of the section is to give you an overview of how to become a Successful Artificial Intelligence (AI) Engineer**

**At the end of this lecture, you will learn the following**

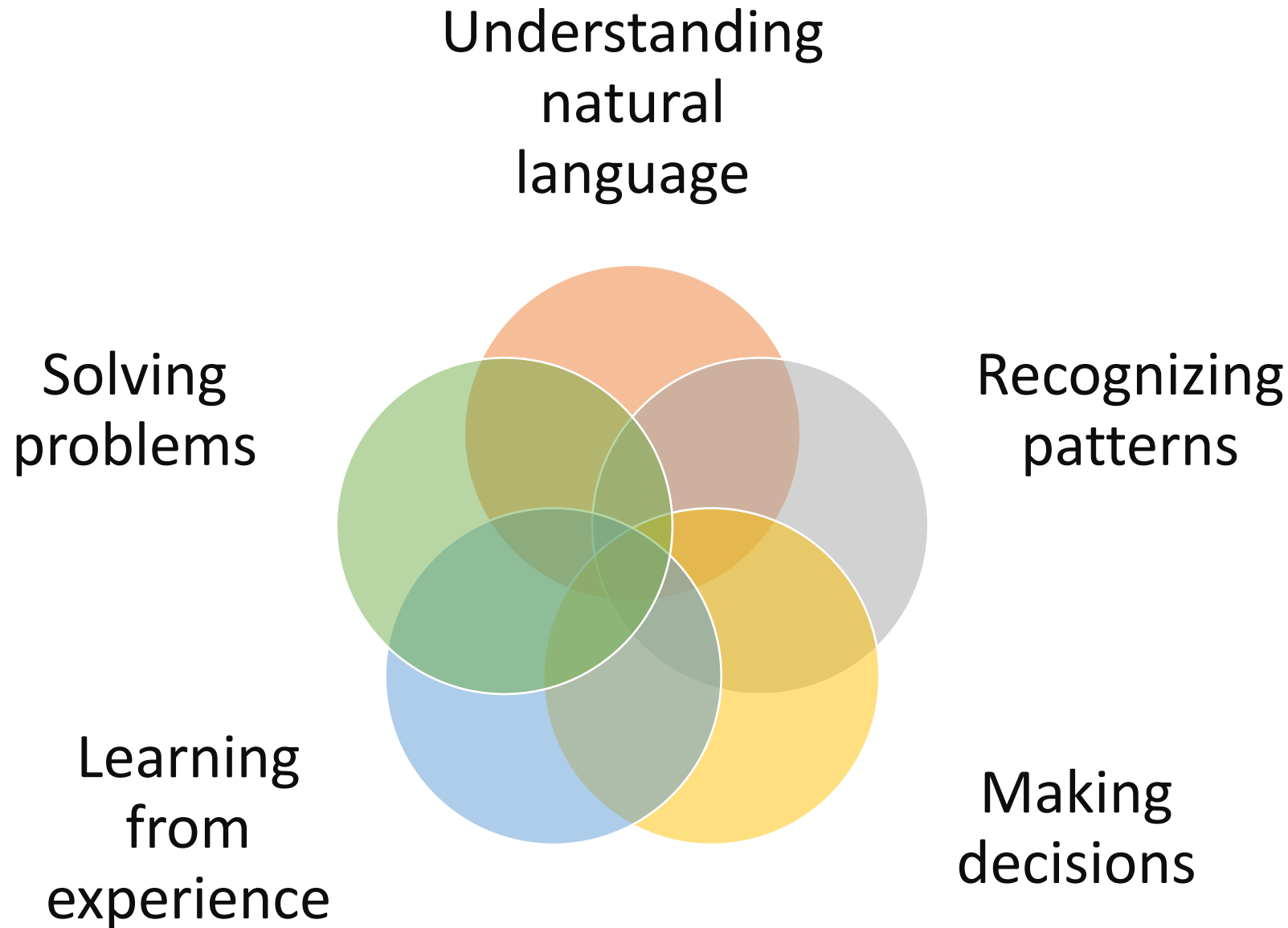
- **What is Artificial Intelligence and career opportunities in this field**



# What is Artificial Intelligence?



# What is Artificial Intelligence?



# What is Artificial Intelligence?

Machine  
learning

Deep learning

Natural  
language  
processing

Computer  
vision

Robotics

And More...



# What is Machine Learning?

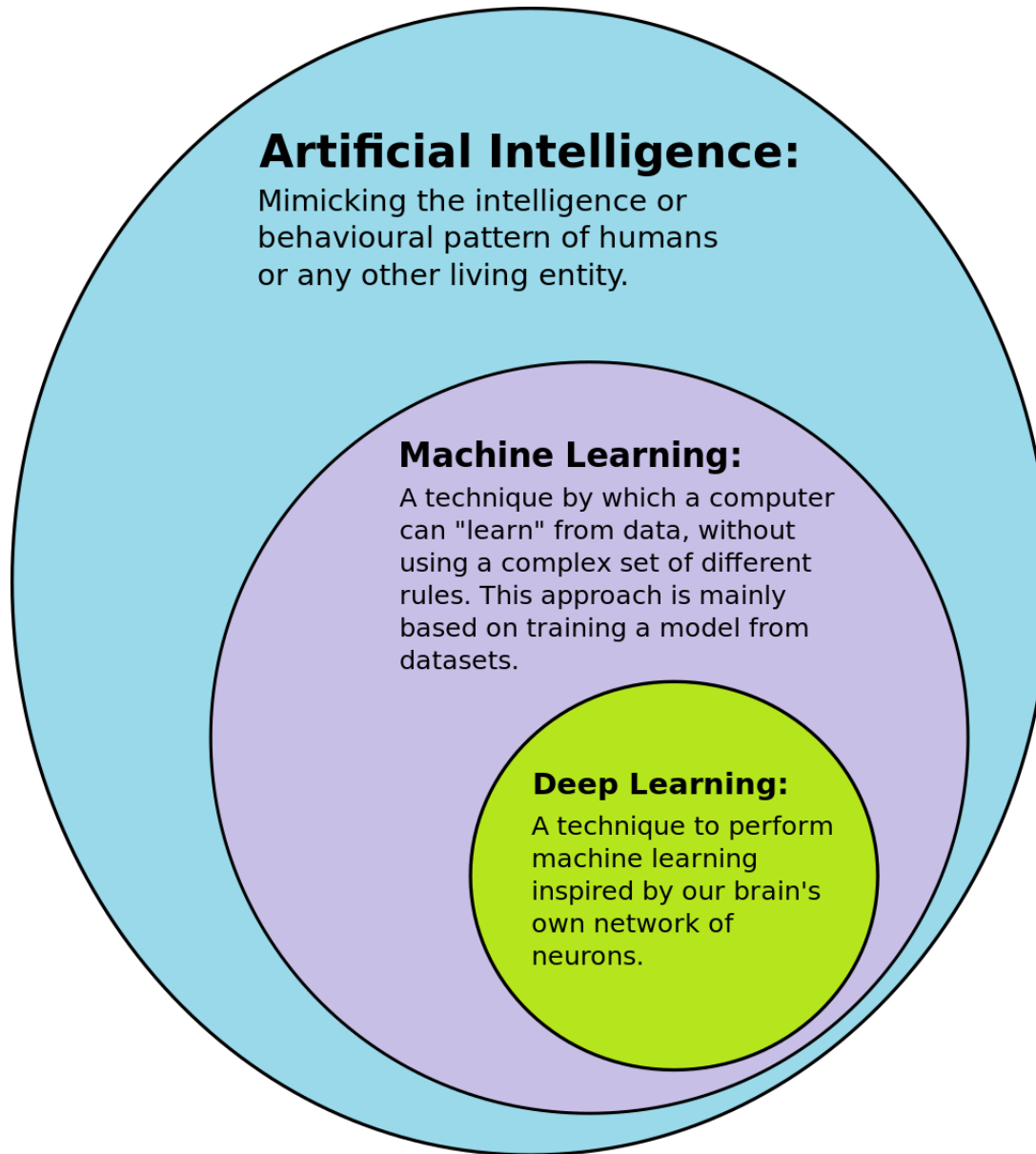
Development of algorithms  
and statistical models

Enable computers to learn  
from and make predictions  
or decisions based on data,  
without being explicitly  
programmed to do so



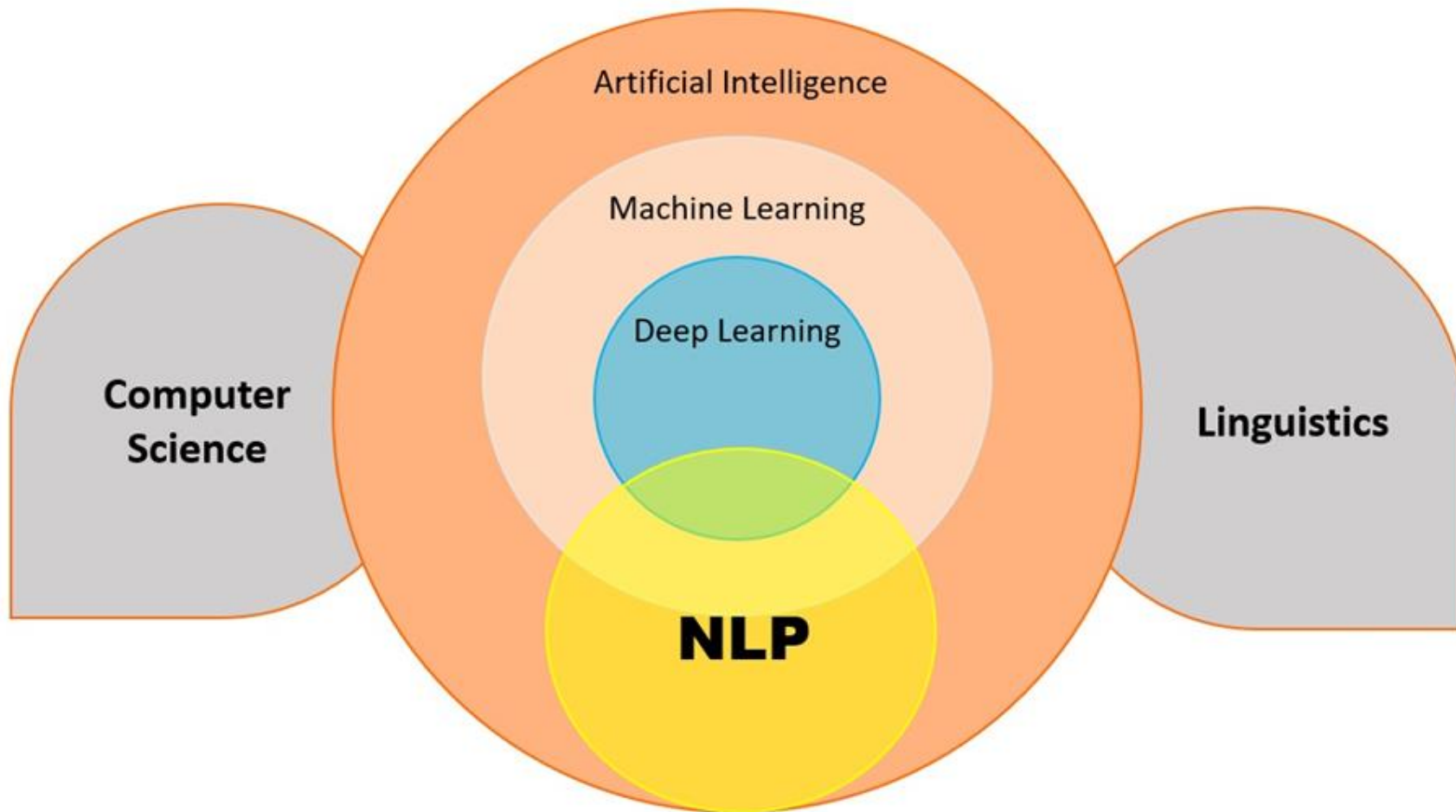


# What is Deep Learning?





# What is Natural Language Processing?



# What is Computer Vision?

## How Computer Vision Works



### Acquiring the image

Images, even large sets, can be acquired in real time through video, photos or 3D technology for analysis.



### Analyzing the image

Deep learning models automate much of this process, but the models are often trained by first being fed thousands of labeled or pre-identified images.



### Applying the insights

The final step is the interpretive step, where the deep learning model is deployed to score new image or video feed.



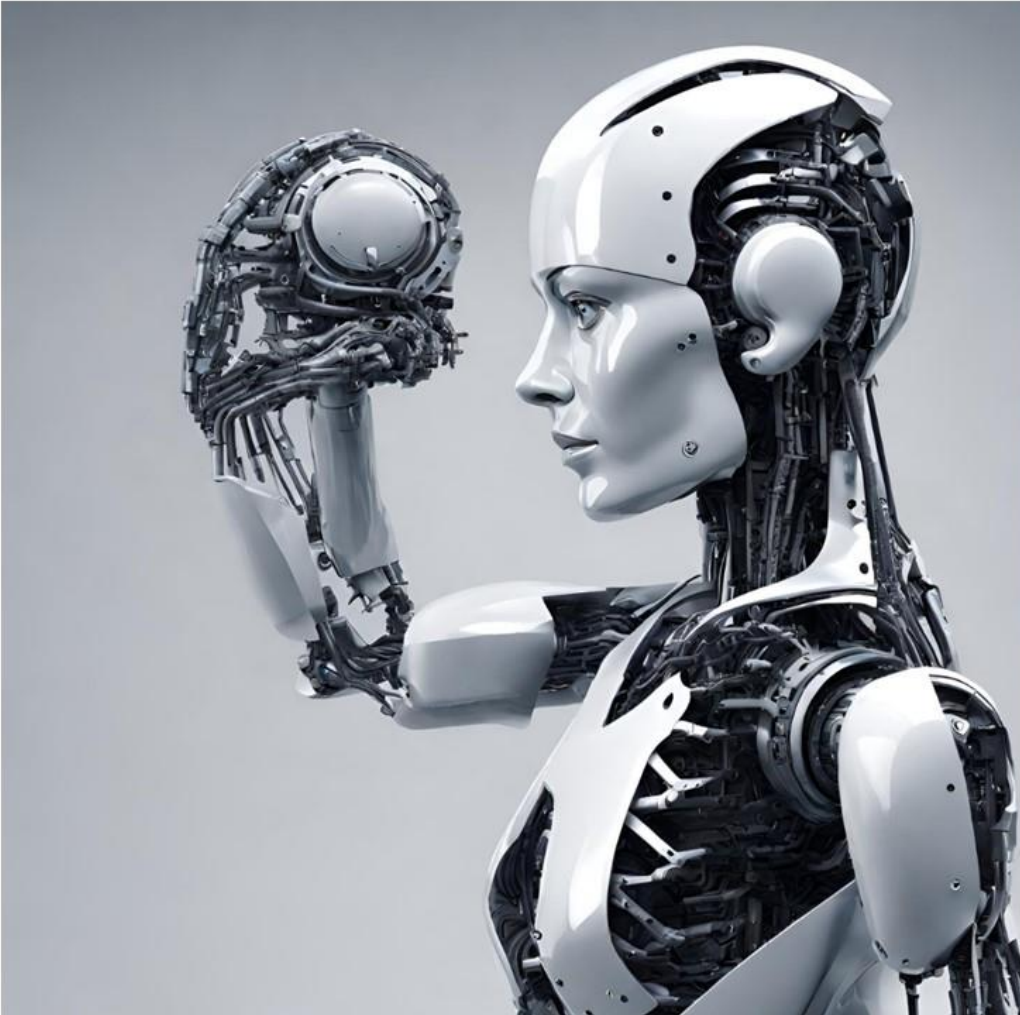
# What is Robotics?





# What is next?

**What are the career opportunities in Artificial Intelligence?**





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